

## XP-002289643

AN - 1988-217584 [02]

A - [001] 014 04- 06- 07- 075 08- 09- 10& 10- 15- 18& 18- 19- 20& 20- 229  
300 308 310 318 326 342 381 42- 435 44& 52& 525 526 532 533 535 546  
633 721

AP - JP19860301387 19861219; JP19860301387 19861219; [Based on J63154746 ]

CPY - KANE

DC - A92 D13 Q34

DR - 0032-U 0135-U 1680-U 1694-U 1706-U 1750-U 1895-U 5405-U

FS - CPI;GMPI

IC - A23L3/00 ; B65D65/42 ; C08J5/18 ; C08K3/00 ; C08K3/34 ; C08K5/15 ;  
C08L101/00

KS - 0037 0042 0045 0057 0060 0069 0132 0135 0183 0205 0206 0211 0224 0231  
2218 2278 2280 2304 2513 2673 2780 3250

MC - A12-P A12-P01 A12-S06 D03-H02F

PA - (KANE ) KANEBO LTD

PN - JP63154746 A 19880628 DW198831 008pp

- JP6018898B B2 19940316 DW199414 C08J5/18 000pp

PR - JP19860301387 19861219

XA - C1988-097354

XIC - A23L-003/00 ; B65D-065/42 ; C08J-005/18 ; C08K-003/00 ; C08K-003/34 ;  
C08K-005/15 ; C08L-101/00

XR - 1996-007010

XP - N1988-165648

AB - J63154746 Film comprises zeolite-based solid particles (A) and a moisture absorbant dispersed in a synthetic resin are (A) zeolite based particles with specific surface area above 150 m/g which hold an antibacterial metal ion by ion-exchange and with ratio SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> (by mol) below 14.

- Pref. zeolite is A-type zeolite, X-type zeolite, Y-type zeolite, clino-ptylolite, or mordenite. Anti-bacterial metal ion is one or more of Ag, Cu, Zn. Pref. content of zeolite particles (based on anhydrous zeolite) is 0.1-20 wt.% total wt. of total wt. of antibacterial film.

Cl.5 Moisture absorber is one or more of CaCl<sub>2</sub>, NaCl, MgSO<sub>4</sub>, KBr, silica gel, sucrose, sorbitol, etc.. Amt. is 0.1-60 wt.% of total film.

- USE/ADVANTAGE - Use is for food packaging. prod. can extend shelf life of packaged food and is sanitarilly safe. (Dwg.0/0)

IW - ANTIBACTERIAL FILM PACKAGE FOOD COMPRISE ZEOLITE BASED PARTICLE MOIST ABSORB AGENT DISPERSE SYNTHETIC RESIN

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NC - 001

OPD - 1986-12-19

ORD - 1988-06-28

PAW - (KANE ) KANEBO LTD

TI - Antibacterial film for packaging food - comprises zeolite-based particles and moisture-absorbing agent dispersed in synthetic resin